

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-308172

(43)Date of publication of application : 22.11.1996

(51)Int.Cl.

H02K 7/08

F16C 17/10

H02K 5/16

H02K 21/22

(21)Application number : 07-125770

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(22)Date of filing : 26.04.1995

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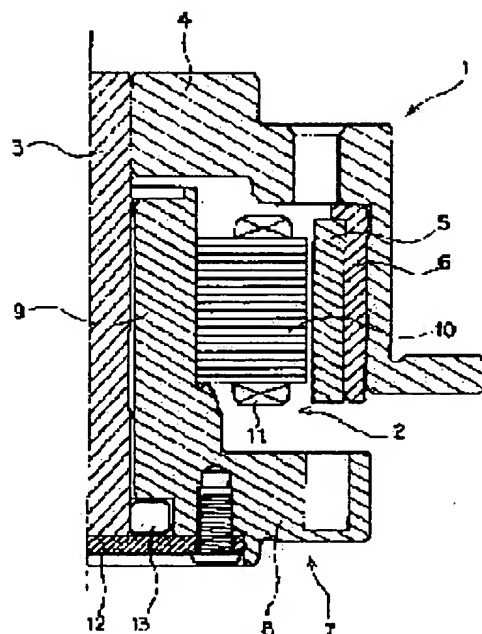
HAYAKAWA MASAMICHI

(54) MOTOR USING DYNAMIC PRESSURE BEARING

(57)Abstract:

PURPOSE: To provide a motor using dynamic pressure bearing which is suitable for FDD, HDD, etc., and has a small size, light weight, high strength, and excellent physical properties.

CONSTITUTION: In a fixed bearing/rotating shaft type motor using dynamic bearing, a supporting frame 8 and dynamic pressure bearing 9 are integrally constituted of a sintered body of metal powder and a dynamic pressure generating groove is formed on the inner peripheral surface of a fixed bearing section 3. Therefore, materials can be used effectively and the diameter and machining time of the motor can be reduced and the strength and machining accuracy of the motor can be improved by eliminating overlapping sections and bonding sections at the time of assembly.



LEGAL STATUS

[Date of request for examination] 29.09.1998

[Date of sending the examiner's decision of rejection] 15.03.2001

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's]